

### Atmel® CryptoAuthentication™ USB Dongle Demo-Evaluation Kits For ATSHA204A, ATAES132A, ATECC108A, and ATECC508A

#### QUICK START GUIDE

Figure 1. Atmel AT88CK590 Demo-Evaluation Kit

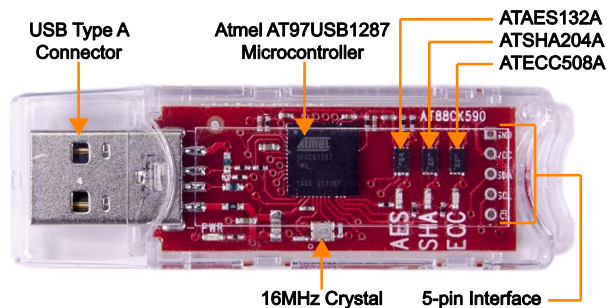
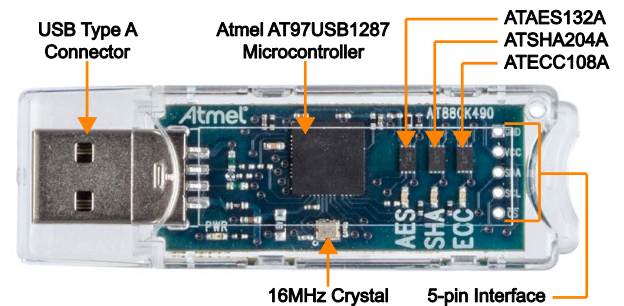


Figure 2. Atmel AT88CK490 Demo-Evaluation Kit



#### Step 1 Visit and Browse for the ACES Software at [www.atmel.com](http://www.atmel.com)

The ACES (Atmel Crypto Evaluation Studio) software and its information is located at:  
[www.atmel.com/tools/ATMELCRYPTOEVALUATIONSTUDIO\\_ACES.aspx](http://www.atmel.com/tools/ATMELCRYPTOEVALUATIONSTUDIO_ACES.aspx)

#### Step 2 Register and Download the ACES Setup File (ACES\_Setup\_x.x.x.exe)

- ▶ For the Atmel AT88CK590 Kit, ACES 5.0.0 or higher is required.

#### Step 3 Install ACES Setup File

Install **ACES\_Setup\_x.x.x.exe** and follow the instructions in the set-up wizard to complete the installation. The ACES Configuration Environment (CE) icon will be placed on the desktop.

#### Step 4 Plug the USB Dongle Kit into a USB Port

The kit's power and devices LED lights will turn on.

#### Step 5 Start the ACES CE Software Program

Either open the program via the desktop icon or via the **Start** menu > **All Programs** > **Atmel Crypto Solutions** > **ACES** > **ACES CE**.

---

**Step 6 Select the Atmel CryptoAuthentication Device to Evaluate**

---

Select the device to evaluate and click on the **Select Device** button. The selected device's LED will light.

---

**Step 7 Evaluate the Selected Device Using ACES**

---

Please reference the "Atmel CryptoAuthentication USB Dongle Demo-Evaluation Kits Hardware User Guide" for more information:

[www.atmel.com/Images/Atmel-8945-CryptoAuth-USB-Dongle-Demo-Eval-Kits-Hardware-UserGuide.pdf](http://www.atmel.com/Images/Atmel-8945-CryptoAuth-USB-Dongle-Demo-Eval-Kits-Hardware-UserGuide.pdf)

---

**Step 8 Optional: Communicate with the CryptoAuthXplained Kit Protocol**

---

The protocol allows control of all devices on the I<sup>2</sup>C bus. Source code for the kit protocol is available for download at [www.atmel.com/cryptokits](http://www.atmel.com/cryptokits).



**Atmel** | Enabling Unlimited Possibilities™



**Atmel Corporation** 1600 Technology Drive, San Jose, CA 95110 USA T: (+1)(408) 441.0311 F: (+1)(408) 436.4200 | [www.atmel.com](http://www.atmel.com)

© 2015 Atmel Corporation. / Rev.:Atmel-8946A-CryptoAuth-USB-Dongle-Demo-Eval-Kits-QuickStart-Guide\_052015.

Atmel®, Atmel logo and combinations thereof, Enabling Unlimited Possibilities®, CryptoAuthentication™, and others are registered trademarks or trademarks of Atmel Corporation in U.S. and other countries.

**DISCLAIMER:** The information in this document is provided in connection with Atmel products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Atmel products. EXCEPT AS SET FORTH IN THE ATMEL TERMS AND CONDITIONS OF SALES LOCATED ON THE ATMEL WEBSITE, ATMEL ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL ATMEL BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS AND PROFITS, BUSINESS INTERRUPTION, OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF ATMEL HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Atmel makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and products descriptions at any time without notice. Atmel does not make any commitment to update the information contained herein. Unless specifically provided otherwise, Atmel products are not suitable for, and shall not be used in, automotive applications. Atmel products are not intended, authorized, or warranted for use as components in applications intended to support or sustain life.

**SAFETY-CRITICAL, MILITARY, AND AUTOMOTIVE APPLICATIONS DISCLAIMER:** Atmel products are not designed for and will not be used in connection with any applications where the failure of such products would reasonably be expected to result in significant personal injury or death ("Safety-Critical Applications") without an Atmel officer's specific written consent. Safety-Critical Applications include, without limitation, life support devices and systems, equipment or systems for the operation of nuclear facilities and weapons systems. Atmel products are not designed nor intended for use in military or aerospace applications or environments unless specifically designated by Atmel as military-grade. Atmel products are not designed nor intended for use in automotive applications unless specifically designated by Atmel as automotive-grade.